TORBIN, N. M., (TPI)

"The X-ray absorption factor increases with increasing molecular weight of pressed alkali halide salts"

Report presented at a Conference on Solid Dielectrics and Semiconductors, fomsk Polytechnical Inst., 3-8 Feb. 58. (Elektrichestvo, '58, No. 7, 83-86)

Incomplete breakdown and radiation in crystals of MaCl in strong electric fields. Fiz. tver. tela 2 no.10:2493-2496 '60. (MIRA 13:12)

(Salt crystals) (Electric fields)

THE POST OF THE PO

TORBIN, N.M., inzh.

Prebreakdown currents in thick solid dielectrics. Izv.vys. ucheb.zav.; energ. 3 no.10:26-31 0 '60. (MIRA 13:11)

1. Tomskiy politekhnicheskiy institut imeni S.M.Kirova. Predstavlena seminarom po fizike dielektrikov kafedr diziki, tekhniki vysokikh napryazheniy i elektroizolyatsionnoy i kabel'noy tekhniki.

(Dielectrics)

30772 \$/181/61/003/011/004/056 B102/B138

24.7800 (1164,:1385,1559)

TRUE THE TAXABLE PROPERTY OF THE PROPERTY OF T

Vorob'yev, A. A., Vorob'yev, G. A., and Torbin, N. M.

TITLE:

AUTEORS:

Discharge formation processes in solid dielectrics

PERIODICAL: Fizika tverdogo tela, v. 3, no. 11, 1961, 3272-3277

TEXT: Breakdown effects were studied in NaCl, KCl and KBr single crystals. Breakdown was induced by applying a point with positive or negative potential to a crystal face. In NaCl discharge propagates along the [100] direction if the point has negative polarity, along [111] if it has positive polarity (minimum breakdown voltage) and along [110] in the case of positive overvoltage. With growing overvoltage anode sparkover thus changes its direction according to [111] \rightarrow [110] \rightarrow [100]. Discharge propagates with $v_{\rm br}$ where d is the thickness of the crystal and $t_{\rm f}$ the discharge formation time. In order to gain data of great interest for the theory of electric breakdown in solid dielectrics the authors measured the currents passing through the sample before, and in the moment of, breakdown and the time required for the formation of a breakdown. In most experiments the point was of positive polarity and the other electrode, a plate, of Card 1/4

·					
m = 0.2 mm ⁻¹ and k for positive point NaCl. From this i higher must be the	charge-form coording to = 4.2.10 ⁴ polarity. t may be se discharge-	ing ourr if=ke ^{md} a (NaCl) For nea en that forming	d B10 ent i incr where k an , 2.5.10 ⁴ s ative polar the higher ourrent. T	81/61/003/011/004/02/B138 eases with increasid mare constants. (KC1) and 1.8.10 ⁴ eity k = 13.5.10 ⁴ athe lattice energy the energy of discharge.	a (KBr) W for the
square pulse (u =	usq = cons	t) w _m =	usqt idt	ase of breakdown wi	the
spark channel in N	aCl radii y	ields th	e following	; results:	
d,mm	2	5	7	10	
Wm·10 ⁻⁵ joule r, µ Card 2/4	0.3	1.27	3.21 1.11	9.85 1.63	

Discharge formation processes in solid ...

30772 \$/181/61/003/011/004/056 B102/B138

The channel diameters measured in incomplete breakdown were between 2 and 4μ . The channel radii of streamer sparkover were found to be $\sim 10^{-4}$ cm. The density of the discharge-formation current was 10^4 - 10^5 a/cm². The radius of the luminescent zone in an incomplete breakdown. Light emission starts at currents of 10⁻³a and is probably due to thermal ionization. Discharge propagates at a rate of 1.4 - 1.3.106 cm/sec. Conclusions: The channel walls of an incomplete breakdown are melted through by the discharge-forming current. Highest breakdown voltage for negative point polarity and the polarity dependence of the direction of discharge indicate that impact ionization occurs during the formation of the discharge. The fact that discharge propagates faster if the point is positive indicates that discharge formation in rock salt is a process similar to streamer discharge in air. Breakdown voltage and formation current are higher where the lattice energy is higher. The high current densities and the presence of luminescence indicate that thermal and photoionizations may also be possible during breakdown in solid dielectrics. There are 2 figures, 3 tables, and 12 references: Card 3/4

30772

5/181/61/003/011/004/056

Discharge formation processes in solid ... B102/B138

7 Soviet and 5 non-Soviet. The four references to English-language publications read as follows: C. Zener. Proc. Roy. Soc. (A), 145, 523, 1934; A. Hippel. Phys.Rev., 54, 1096, 1938; H. H. Racl. GCR, 44, 8, 445, 1941; D. W. Gilman, J. Stauff. Appl. Phys., 29, 2, 120, 1958.

V

ASSOCIATION: Tomskiy politekhnicheskiy institut im. S. M. Kirova (Tomsk Polytechnic Institute imeni S. M. Kirov)

SUBMITTED: May 4, 1961

Card 4/4

s/143/61/000/012/001/005 D299/D305

24,7700 (1160, 1164, 1385)

Leont'yev, Yu. N., and Torbin, N.M., Engineers

AUTHORS:

Effect of the barrier position on the breakdown

TITLE:

voltage of solid dielectrics Izvestiya vysshikh uchebnykh zavedeniy. Energetika,

no. 12, 1961, 34 - 38 PERIODICAL:

TEXT: An experimental study is described of the effect of the barrier position on the breakdown voltage of rock-salt. Two types of barriers were used in the experiments: Metal foil 1.5 - 2 µ thick, and triacetate film 3 μ thick. The NaCl specimens consisted of 2 parts of different thickness, their total thickness being d 5 mm. A conical hole was made in one of the specimens, and the barrier inserted. The results of the experiments are given in two figures and in a table. From the figures it is evident that with the gures and in a capie. From the ingures it is evident that with barrier placed at a distance of 0.5 - 2.0 mm from the positive point, the breakdown voltage increases to a maximum. The breakdown of the specimen is accompanied by the breakdown of the barrier, both the metallic and the one of triacetate film. The presence of Card 1/3

CELEBRATE CONTRACTOR DE LA CONTRACTOR DE

5/143/61/000/012/001/005 D299/D305

Effect of the barrier position ...

the barrier does not affect the start of the breakdown process which takes place in 2 stages: The breakdown of the specimen from the point to the barrier, followed by the breakdown from the barrier to the cathode. In the case of a metallic barrier, the first rier to the cathode by a drop in voltage, followed by an increase stage is accompanied by a drop in voltage, followed by an increase toward the breakdown value, and again a sharp drop; the breakdown channel is not continuous (from the first to the second stage). With a dielectric-film barrier, the channel is continuous. The breakdown process begins in the region of maximum field-strength (at the down process begins in the region of maximum fletd-strength (at the point) and proceeds towards the interior. The cathode processes are of minor importance in the propagation of the discharge; hence the lack of influence of the cathode material on the breakdown voltage, established by other investigators. The increase in the breakdown established by other investigators. established by other investigators. The increase in the breakdown voltage of solid dielectrics, due to the presence of barriers, could find many applications in high-voltage equipment and in cables. The use of barriers in insulators could improve equipment reliability. However, the present study should be viewed as a first liability. Repriess of metal foil and triggetate film in McCl step only. Barriers of metal foil and triacetate film, in NaCl. lead to a 18 - 20 % increase in breakdown voltage. The maximum va-

Card 2/3

33329 S/143/61/000/012/001/005 D299/D305

Effect of the barrier position ...

lue of the breakdown voltage is observed with barriers placed at a distance equivalent to 20 - 30 % of specimen thickness. Barriers of metal foil and of dielectric film do not affect the start of the breakdown in a nonhomogeneous field. The development of discharge in solid dielectrics of considerable thickness and in gases, exhibits a number of similarities. There are 3 figures, 1 table and 13 Soviet-bloc references.

ASSOCIATION: Tomskiy ordena Trudovogo Krasnogo Znameni politekh-

nicheskiy institut imeni S.M. Kirova (Tomsk Order of the Red Banner of Labor Polytechnic Institute imeni

S.M. Kirov)

PRESENTED: by Nauchnyy seminar kafedry tekhniki vysokikh naprya-

zheniy (Scientific Seminar of the High-Voltage Techniques Department)

SUBMITTED: January 28, 1961

Card 3/3

00-EUOLÉ 1 EWT(1)/EWI(m)/EWP(j)/T IJF(c) WW/GG/RM ACC NR: AR6016230 SOURCE CODE: UR/0058/65/000/011/E057/E057 AUTHORS: Ushakov, V. Ya.; Torbin, N. M. TITLE: Concerning the development of a discharge in solid dielectrics SOURCE: Ref. zh. Fizika, Abs. 11E440 REF SOURCE: Sb. Proboy dielektrikov i poluprovodnikov. M.-L., Energiya, 1964, 124-127 TOPIC TAGS: dielectric breakdown, electric discharge, dielectric strength, organic glass, sodium chloride ABSTRACT: The channels of incomplete breakdown in rock salt and organic glass are considered. It is shown that the discharge glow zone exceeds by hundreds of times the channel dimensions. It is indicated that thermo-ionization and photoionization processes can occur/during the breakdown of dielectrics. Dielectrics having larger dielectric strength have larger discharge-development rates (v). Values v = $(2 \times 10^{5} - 1.5 \times 10^{7})$ cm/sec were obtained and were found to depend on the value of the excess voltage. [Translation of abstract] SUB CODE: 20

20307

S/143/60/000/010/002/011 A189/A026

9.2110 (1001,1043, 1155)

AUTHOR:

Torbin, N. M., Engineer

TITLE:

Pre-breakdown currents in solid dielectric of large thickness

Energetika, no. 10, 1960, 26-31 PERIODICAL:

The author investigates the value and character of currents in the pre-breakdown fields of solid dielectrics under pulse voltage. Experiments were carried out with specimens, 40 x 40 x 15 mm, made of rock salt (NaCl) and KBr crystals. A conical cavity was drilled at one end of the specimens and the electrodes were affixed to them by metal evaporation in vacuum. The thickness of the specimens at the breakdown point varied from 2 to 10 mm. Tests were made with voltage pulses, 0.2 - 3.0 µsec front duration, in a non-uniform field at positive and negative point polarity. The test circuit, shown in Figure 1, consisted of a bridge circuit with a variable capacitor C1 in one of its branches serving to compensate the capacitive currents. The potential change between the points a and b of the bridge circuit (Fig. 1) was recorded by one tube of a two-tube OK-19M (OK-19M) oscillograph, while the other tube of this oscillograph recorded the current through

Card 1/6

20307 5/143/60/000/010/002/011 A189/A026

... ...

Pre-breakdown currents in ...

the specimen. Both tubes of this oscillograph were fed from the same timebase generator to ascertain the coincidence in time of the current and voltage oscillograms. Based on the analysis of the results obtained, the author concludes that the discharge-shaping current in solid dielectrics can be caused only by the ionization processes. The discharge shaping in thick dielectrics is analogous to the penetration of gases in large gaps. shaping of the breakdown channel takes place during the discharge-shaping stage, and its expansion during the discharge. The current during the discharge-forming stage increases with the dielectric thickness; it is larger for NaCl than for KBr crystals. Figure 2 shows the oscillograms obtained of current and voltage at positive pulse polarity of the point (Fig. 2 a) and at negative polarity (Fig. 2 b), respectively. Figure 5 shows the maximum current values for NaCl and KBr crystals during the discharge-forming stage. There are 5 figures, 1 photograph, and 17 references: 11 Soviet, 5 English, and 1 German.

ASSOCIATION: Tomskiy politekhnicheskiy institut imeni S. M. Kirov (Tomsk Polytechnic im. S. M. Kirov)

Card 2/6

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756320006-1

S/143/60/000/010/002/011 A189/A026

Tre-breakdown currents in ...

Seminar po fizike dielektrikov kafedr fiziki, tekhniki vysokikh napryazheniy i elektroizolyatsionnoy i kabel'noy tekhniki PRESENTED:

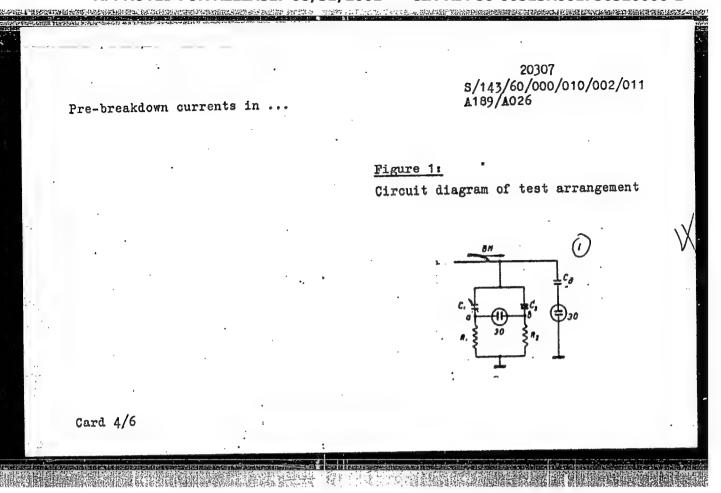
(Seminary for Physics of Dielectrics of the Departments of Physics, High-Voltage Engineering, and Electro-Insulation and

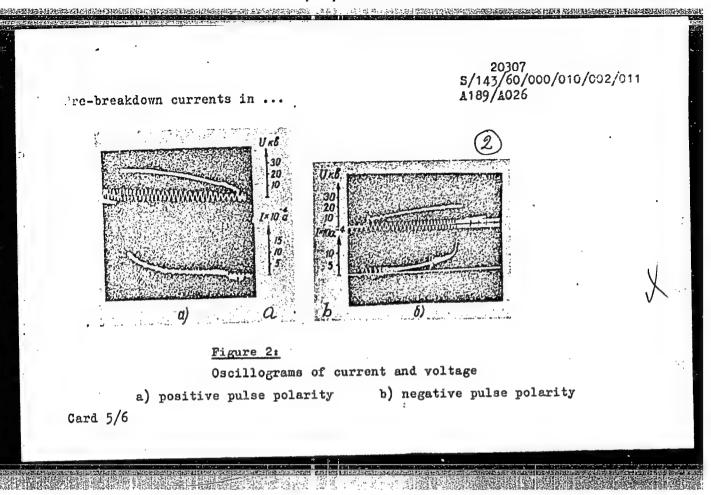
Cable Engineering)

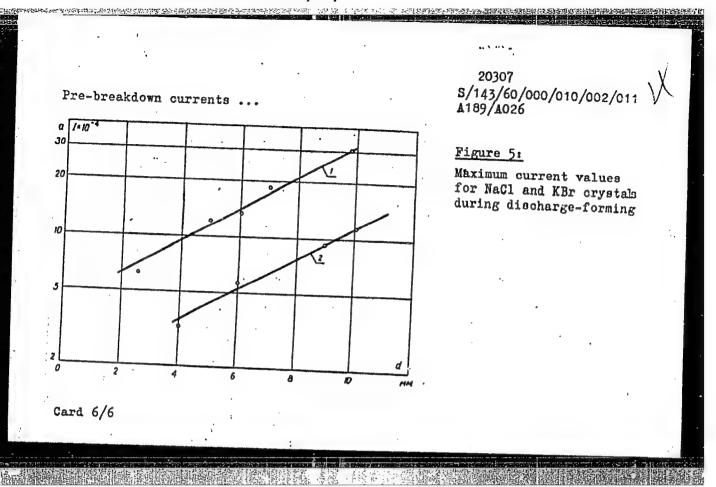
March 17, 1960 SUBMITTED:

Card 3/6

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756320006-1"







basepunny interestry po hits distribution. 31, 1972 Francisco, of his 2 all 1975 course of his present to the price of the best in home of the 2 all 1975 course of his present to the price of the best in his course been price of the price of his course of his present place of the best in his course of his present place of the price of the p		10	人と	5/	~,	^	J. 11)					Bargeld Floration Francisco	ومسور شو		· · ·	and property, as he						
25 20 20 20 50 60 60 60 60 60 60 60 60 60 60 60 60 60	Tainopol'ekly, E.L., and A.P. Mekrayers Pumantastan of Shritanatr Gurrents	Iolomoytese, F.I., P.I. Minkerich, Y.G. Bobyli, and J.R. Takmin. Compart- your of Certial Properties of Solid and Liquid Dislactives During Irradia- tion [In properture with Juna output of Liquid State (Comproperture & Institute of Civil Expinential) Propertural State University Shartows, M.E. Electric strungth of Sodies Chirolds Irradiated by I-Rays Those Tradystational Institute Issail S.P. Elroy	ar'yer, A.M., and A.E. Athrafing. Effect of 9-Irradiation on the Electri- eal Conductivity and Structure of Synthetic Gerssin [Sorocherkeshly politeth- alchesky institut (Borocherkesk Folytechnical Institute)	Diagnostics	Kolomortery, P.I., and A.T. Tahunin. Dependence of Additional Electric Tolking of Dy Indiana by Long Investable on the Introses of Tolking of the Particular of the Introses of Dislocate Systems (Eugensterns State University)		Balquer, L.K., B.M. Golorin, I.S. Zhelnder, B.Z. Kalbhirger, and W.M. Fridhin. "Investigation of Text-sections of Bodes the Action of Light and V." Ladiation in Lethers are knowned the Polyropistal Layers of Gardum Balleio (Diyedimenty) institut gelenyth helndorenty (John Lettiute of Solitio (Diyedimenty) institut gelenyth helndorenty (John Lettiute of Solicio Reserth), Institute of Crystallography, 15 USER, Physics Institute, Bellen Reserth, Control of Crystallography, 15 USER, Physics Institute,		P,		on 1'skig				Scare!	of the chemistry whose values of the first provide and with specific inductive delected properties. Lesses, and principalization, and with specific inductive especification of various expectation, chemical compounds, and certains. Photosepacification, formulation of various expirits, and various radiation and irradiation in the forther feets on dislection are investigated. The volume embilies a list of other papers presented at the conference dealing sith polarization, losses, and papers of the conference dealing sith polarization, losses, and the conference dealing sith polarization.	The Serond All-Table 3 consistency of the Resonant of the Resonant All-Table 3 consistency of the Resonant of	PURPOSE: This collective of reports is intended for extentiate investigating the physics of dislecturies.	makaya; Tech. Ed.: I.W. Dorckhina; awi, Portor of Physics and Mathemati date of Physics and Mathematics.	printed. Sponsoring Agency: Academica tauk SISR. Finisherkly institut ineni P.R. Lebeder	Fighka dielektrikov, truby viczey rassoyumnoy konferentsii (Physics of Dielectri Fransactions of the 21 All-Dirm Conference on the Physics of Dielectrics) Moneow, Isl-vo 15 SSSR, 1900, 532 p. Erste slip inserted. 5,000 copies	. Angelegies and the cd
the same of the sa		250	503	90	495	188	9	- 3	3	<u>8</u>	59	<u> </u>	- ganga papan da majangga papan da sa	1 P41 4 B1 77	 er gir i sam sam zi gir is genjagarigh		# + P.B.			a ·	٤	

84601

s/181/60/002/010/024/051 BO19/B056

24.2400 (1385,1162,1144)

AUTHOR:

Torbin, N. M.

TITLE:

The Incomplete Breakdown and the Emission in NaCl Crystals

in Strong Electric Fields

PERIODICAL:

Fizika tverdogo tela, 1960, Vol. 2, No. 10, pp. 2493-2496

TEXT: In the introduction the author discusses the theory of the electrical breakdown of solid dielectrics and also some experimental results. He himself discovered an emission when studying the incomplete breakdown of rocksalt crystals. A voltage pulse was applied to two samples connected in parallel (45x45x30 mm). The amplitude of this voltage pulse somewhat exceeded the breakdown voltage. The glow of the breakdown channel was photographed (Fig. 1). The glow could also be observed with the naked eye. In the microscope it was possible to detect tracks of the channels having a diameter of from 2 - 10µ. In the Table,

(2.94 - 4)·106 cm/sec is given as the propagation rate of the discharge.

Card 1/2

84601

The Incomplete Breakdown and the Emission in NaCl Crystals in Strong Electric Fields

S/181/60/002/010/024/051 B019/B056

It was found that the glowing occurs during the development of the channel. The main direction of the channel is [111]. The channels have a diameter of 10 - 15µ. Channels perpendicular to the main direction, have a diameter of roughly 2µ. The current, which passes through the crystal at the instant of breakdown, is less than 0.5 a. Summarizing, the author states that a channel discharge in NaCl is accompanied by a glow and that point discharge in an inhomogeneous field emanates from a positive point in the case of positive polarity of the point. The existence of an breakdown. The author thanks Professor A. A. Vorob'yev for valuable 2 German, 2 US, and 1 Dutch.

ASSOCIATION:

Tomskiy politekhnicheskiy institut im. S. M. Kirova Kafedra tekhniki vysokikh napryazheniy (Tomsk Polytechnic Institute imeni S. M. Kirov, Chair of High Voltage Technique)

SUBMITTED:

September 17, 1959 (initially), February 9, 1960 (after revision)

Card 2/2

TORBIN, N. M., Cand Tech Sci .-- "Experimental study of the process of developing punctures and destroying solid dielectrics at impulse strain." Tomsk, 1961. (Min of Higher and Sec Spec Ed RSFSR. Tomsk Order of Labor Red Banner Polytech Inst im S. M. Kirov) (KL, 8-61, 250)

- 321 -

Development of a discharge in solid dielectrics in a nonhomogenous field. Izv. An SSSR. Otd. tekh. nauk Energ. i avtom no.1:32-34 '61.

(Dielectrics)
(Breakdown, Electric)

L 19665-63 EWT(1)/BDS/ES(s)-2 AFFTC/ASD/ESD-3/IJP(C)/SSD Pt-4

ACCESSION NR: AR3006989 S/0058/63/000/008/E049/E049

SOURCE: RZh. Fizika, Abs. 8E349

AUTHOR: Torbin, N. M.

TITLE: Experimental investigation of electric breakdown of rock-

salt crystals in an inhomogeneous field .

CITED SOURCE: Sb. Fiz. shchelochnogaloidn. kristallov., Riga, 1962,

370-372

TOPIC TAGS: electric breakdown, tock salt crystal, inhomogeneous

field

TRANSLATION: By using voltage cutoff, the development of a discharge was investigated in electric breakdown of NaCl crystals with d = 15 mm. When the sharp point is positive, the discharge develops with an average speed on the order of 10° cm/sec. The propagation

Card 1/3

L 19665-63

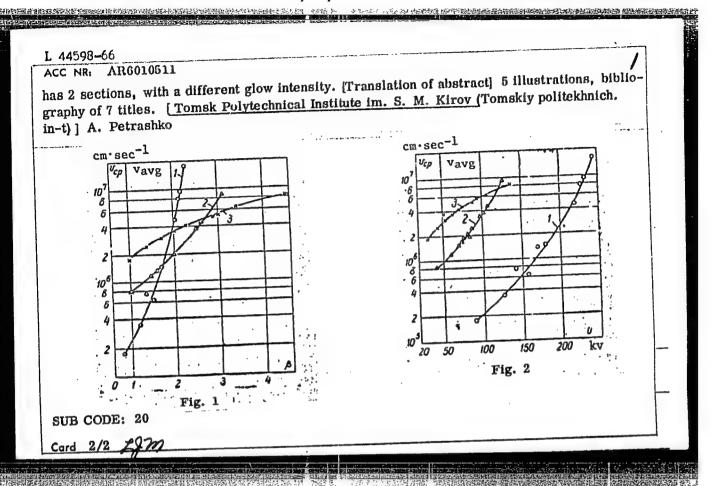
ACCESSION NR: AR3006989

of the discharge is accompanied by glow in the visible part of the spectrum. The current density at the instant of development of the discharge reaches 10--15 A/mm². The initial stage of formation of the discharge channel is observed in the form of dark sections less than 1 mm in diameter, and then broadens to 5--10u owing to thermal processes occurring upon the passage of the discharge current. thermal character of a channel formation in the NaCl indicates the presence near the discharge channel of a band that exceeds by tens of times the channel of the incomplete breakdown, and a change in . the microhardness. The region of intense ionization is observed with growing channel near the head of the developing discharge and propagates inside the crystal as the channel moves. An increase of U in the presence of a barrier indicates the possible influence of the positive space charge in the development of the discharge. The presence of radiation and the large current density in the development of the discharge indicate the predominant role of thermal

Card 2/3

			44			
	ACCESSION NR:	AR3006989			•	0
: .	and photoioniz	ation processes	in breakdo	wn of solid di	electric	s.
•	N. Torbin.				•	
	DATE ACQ: 068	Sep63	SUB CODE:	PH	ENCL:	00
			•		·	
		, at	•			
			***		· · · ·	۲.
			•			
1 1						
	*	g pagagag gang in manggangan ang maganggan manggan dan dan mangganggan ang mangganggan ang mangganggan ang man B		• • • • • • • • • • • • • • • • • • • •		
	S to the same the same succession of the State of State o			· · · · · · · · · · · · · · · · · · ·		
				•		
		a new desire de la company				

IJP(c) EWT(1) SOURCE CODE: UR/0196/65/000/010/B009/B010 ACC NRI AR6010511 AUTHOR: Ushakov, V. Ya.; Torbin, N. M. TITLE: Investigation of the development of a discharge in liquid dielectrics SOURCE: Ref. zh. Elektrotekhnika i energetika, Abs. 10B53 REF SOURCE: Sb. Proboy dielektrikov i poluprovodnikov. M.-L., Energiya, 1964, 227-231 TOPIC TAGS: electric discharge, liquid dielectric, dielectric property ABSTRACT: Electrographic recording of the development of incomplete discharges was made, in transformer oil (TO), glycerin (G), distilled water (DW), with a lack of any retarding resistances, in a wide range of voltages. Breakdown was accomplished on the falling part of a positive polarity pulse, with a beveled front, $avg = 3.5 \cdot 10^{-7}$ sec. The dependences of the rate of development of the discharge vavg upon excess voltage β (Fig. 1) and voltage U (Fig. 2) (the curves in the drawings are: 1) TO; 2) G; 3) DW are different for the liquids tested and are determined by their physicochemical properties. At the minimum penetration voltage, more highly polarized liquids have higher rates of discharge. In each case the nature of the discharge is also different, and also its variation with excess voltage variation. With an excess voltage $\beta = 1.45 - 1.5$, in the gap in TO and with $\beta = 1.17 - 1.2$ in DW, the discharge channel UDC: 621,315,615,015,51 Card 1/2



TOKBIN, V.

The PK-2m cutter-loader speeds up coal mine drifting. Mest. ugl. 3 no.6:13-14 Je '54. (MERA 7:7)

1. Mashinist kombayna shakhty No. 2-bis kombinata Moskvougol!. (Coal mining machinery)

DIKHTYAR, Grigoriy Abramovich. Prinimali uchastiye: TORBIN, V.I.; GUSEV, A.V.; GLADKOV, I.A., prof., doktor ekonom. nauk, otv. red.; LUCH-KINA, A.N., red. izd-va; SHEVCHENKO, G.N., tekhn. red.

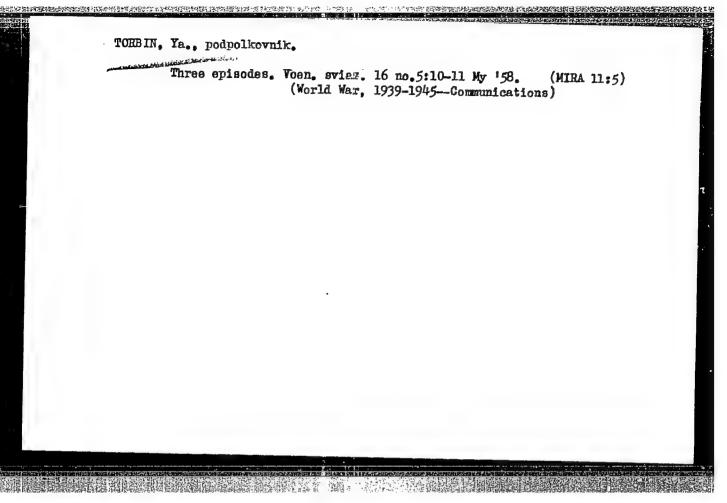
[Soviet commerce during the period of the development of socialism] Sovetskaia torgovlia v period postroeniia sotsializma. Moskva, Izdvo Akad. nauk SSSR, 1961. 471 p. (MRA 14:11)

1. Sektor obrashcheniya Instituta ekonomiki AN SSSR (for Torbin, Gusev).

(Russia---Commerce)

In the advanced radio relay company. Voen. sviaz. 16 no.2:25-26 F '58. (MIRA 11:3)

(Radio, Military-Study and teaching)



TUNL	FORBIN,	Ya., gvard								
		Commander	of a lead (Telegra	ing compa phersSt	ny. Voen udy and	. eviaz. teaching	16 no.1:	17-19 Je (MIRA	'58. 11:2)	
					*					

TORBIN, B.F., inzh.; UBAYDULLAYEV, Kh.; ZUFAROV, D.Z., inzh.; Prinimeli uchastiye: TONKIKH, P.I.; TORBINA, N.A.

Preparation of cottonseed meal for storage. Masl.-znir.prom. 28 no.2:39-42 F '62. (MIRA 15:5)

1. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta zhirov (for Torbin, Ubaydullajev). 2. Yangiyul'skiy maslozhirovoy kombinat (for Zufarov).

(Cottonseed)

RUDKOVSKAYA, R. V.; TORBINA, R. M.

Chemical cleaning of spinning machine parts. Khim. volok. no.6:59-62 '62. (MIRA 16:1)

(Spinning machinery)

TORBINA, Ye. A.

Tripolitova, A. A. and Torbina, Ye, A. "A test for cultivating microbes of the typhoid-paratyphid group in silicon media," Sbornik nauch. trudov (Irkut. in-t epidemiologee i mikrobiologii), Issue 4, 1948, p. 202-08

SO: U-3264, 10 April 1953, (Letopis 'nykh Stately, No. 3, 1949

OF THE CONTRACT OF THE PROPERTY OF THE PROPERT

LOYBINA, YEAL .

BRANDENBURGSKIY, G.L.; TOVBINA, Ye.L.

Comparative evaluation of the effect of carbonated and oxygen baths in hypertonia. Ter.arkh. 22 no.2:64-76 Mr-Ap *50.

(CIML 19:3)

1. Of the Cardiological Clinic (Head -- Prof. A.M.Sigal) of the Ukrainian Scientific-Research Institute of Health Resort Therapy in Odessa (Director Candidate Medical Sciences M.V.Lashchevker).

active service can be a constructed and the service of the service

L 12889-63 EPF :: /EMP(j)/ENT(a)/EDS ASD/AFFTC Pr-L/Pc-L RM/WW ACCESSION MR: AP3001425 5/0138/63/000/004/0001/0005 AUTHOR: Shatalov, V. P.; Gostev, M. M.; Kry*lova, I. A.; Artemov, V. M.; Shestakova, O. G.; Korbanova, Z. N.; Slukin, A. D.; Sotnikov, I. P.; Torbinskiy A. N. TITLE: Low-temperature polymerized butadiene-styrene rubber with a carbon blackoil filler SOURCE: Kauchuk i rezina, no. 4, 1963, 1-5 TOPIC TAGS: polymerization, carbon black filler, oil filler, butadiene rubber, styrene rubber ABSTRACT: Studies were conducted on the preparation of stable dispersions of various types of carbon black, With and without surface-active substances. The latter included potassium rosinate, Leukanol, and ammonium caseinate. The dispersions were prepared in ball mills, in jet mills, and by means of a vibret -. The kinetic and aggregate stability of the dispersions were determined. Potestim rosinate and Leukanol produced dispersions which did not separate for several days. The oil emulsion was prepared with the aid of stearic acid and triethanolamine. The carbon black dispersion was mixed with the latex of butadiene-styrene rubber

"APPROVED FOR RELEASE: 08/31/2001

CIA-RDP86-00513R001756320006-1

L 12889-63

ACCESSION NR: AP3001425

and into it was introduced the oil emulsion. The coagulation of this mass was best achieved by pouring it into a 9% solution of sedium chloride containing 7% sull ric acid at 40%. It was found that the introduction of carbon black into the latex previous to coagulation had a favorable effect on the technological properties of the vulcanizates and permitted the processing of rubbers with a higher molecular weight. The KhAF trand of carbon black and the use of potassium rosinate as emulsifier produced vulcanized rubbers of superior strength and abrasive properties, with a higher modulus of elasticity and with a better adhesion to the cord. Pasyankov, N. V., Bondaryev, A. Ye., and Gergasevich, T. V. participated in the work. Orig. art. has: 3 tables.

ASSOCIATION: Voronezhskiy zavod sinteticheskogo kauchuka i Voronezhskiy shinny*y zavod (Voronezh Synthetic Rubber Plant and Voronezh Tire Plant)

SUBMITTED: CO

DATE ACQ: 30May63

ENCL: 00

SUB CODE: 00

NO REF SOV: 002

OTHER: 002

Card 2/2

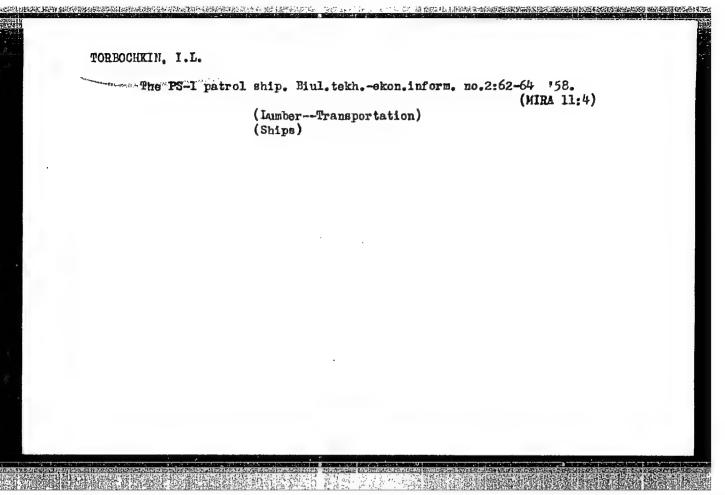
TOEDISKIY, V.; SAVEL'YEV, G.

Welding the faces of a bucket dredge drum. Mor.i rech. flot 13 no.8:

(MLRA 6:12)
29 D '53.

(Dredging machinery)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756320006-1"



PETROV, Yakev Petrovich; BURGUTIN, K.S., retsenzent; KOLOSOV, V.D., retsenzent; TORBOCHKIN, I.L., retsenzent; KUTUKOV, G.M., redaktor; PITERMAN, Te.L., redakter; KOLESNIKOVA, A.P., tekhnicheskiy redaktor.

[Steam powered vessels] Paromotornyi flet. Meskva, Goslesbumizdat, 1955. 306 p. (MLRA 9:1)

(Steamboats)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756320006-1"

SAKSONOV, L.G.; DODIN, Ya.L.; SOKOLOVSKIY, L.O.; TORBOCHKIN, L.I.

Exothermic heating of mold risers for steel alloy ingots. Lit.

proizv. no.9:12 S '62. (MIRA 15:11)

(Steel ingots) (Risers (Founding))

DODIN, Yakov L'vovich[deceased]; SAKSONOV, Lev Geselevich; SOKOLOVSKIY, Lev Osipovich; TORBOCHKIN, Lev Isaakovich; MITIN, V.I., red.; VAYNSHTEYN, Ye.B., tekhn. red.

> [Molds for alloyed steel ingots] Izlozhnitsy dlia slitkov legirovannykh stalei. Moskva, Metallurgizdat, 1963. 191 p. (MIRA 16:5)

(Ingot molds) (Steel ingots)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756320006-1"

TORBOCHKEN, L.I.

Outting Machines

Calculation of the founding process in easting cutting tools. Stan. 1 instr. 23, no. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress,

MOVEMBER 1952 1953, Uncl.

GUBERNIYEV, M.A.; TORBOCHKINA, L.I.

Phosphorus compounds in some actinomycetes and their connection with antibiotic activity. Antibiotiki 6 no.8:752-761 Ag '61.

(MIRA 15:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(ACTINOMYCES) (ANTIBIOTICS) (PHOSPHORUS COMPOUNDS)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756320006-1"

GUBERNIYEV, M.A.; TORBOCHKINA, L.I.; NAVOL'NEVA, I.N.

Mechanism of glucose dissimilation in the erythromycin producer. Biokhimiia 28 no.3:388-394 My-Je '63. (MIRA 17:2)

1. All-Union Research Institute of Antibiotics, Moscow.

TORBOCHKINA, L. I., GUBERNIYEV, M. A. (USSR)

"Influence of Phosphorus on the Metabolism of Hexose and Pentose Phosphates in Macolide Producers."

Report presented at the 5th International Biochemistry Congress, Moscow, 10-16 August 1961

GUBERNIYEV, M.A.; TORBOCHKINA, L.I.; BONDAREVA, N.S.

Polyphosphate characteristics of volutin granules from Act. Antibiotiki 6 no.1:5-9 Ja '61. (MIRA 14:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov, (ACTINOMYCES) (PHOSPHATES)

QUEERNIYEV, M.A.; TORBOCHKINA, L.I.

Effect of phosphorus on the metabolism of hexose and pentose phosphates in Act. erythreus. Antibiotiki 6 no.7:636-642 Jl '6l. (MIRA 15:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov Ministerstva zdravookhraneniya SSSR. (ACTINOMYCES) (HEXOSE PHOSPHATES) (PENTOSE PHOSPHATES)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756320006-1"

STATE TO THE PROPERTY OF THE P

GUBERNIYEV, M.A.; UGOLEVA, N.A.; TORBOCHKINA, L.I.

。 《中国》(1915年) 第2年 (中国) 第2年 (中国) 1915年 (中国) 1914年 (中国) 1914年 (中国) 1914年 (中国) 1914年 (中国)

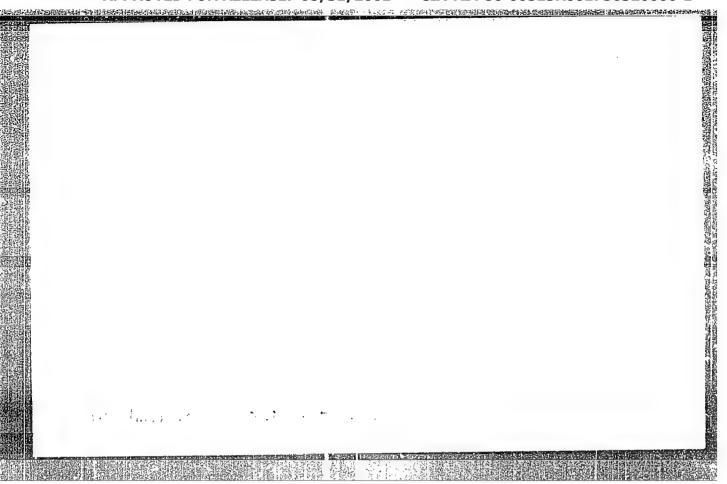
Nucleic acids and phosphorus compounds in the mycelium of Actinomyces aureofaciens at various stages of development. Antibiotiki 1 no.3: 8-11 My-Je 156. (MIRA 9:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov. (STREPTOMYCES.

aureofaciens, nucleic acids & phosphorus cpds. metab. in various stages of develop. (Rus))
(PHOSPHORUS, metabolism,
Streptomyces aureofaciens, in various stages of develop

(NUCLEIC ACIDS, metabolism, same)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756320006-1"



APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756320006-1"

GUBERNIYEV, M.A.; TORBOCHKINA, L.I.; KATS, L.N.

Polyphosphates in Act. aureofaciens. Antibiotiki 4 no.6:24-30 H-D 159. (MIRA 13:3)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(PHOSPHATES chem.)
(ACTINOMYCES chem.)

GUBERNIYEV, M.A.; TORBOCHKINA, L.I. (Moskva)

Specific effect of arsenate on some metabolic reactions. Vest. AMN S.S.S.R. 17 no.12:71-81 '62. (MIRA 16:4)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.
(ARSENIC IN THE BODY) (METABOLISM)

TORBOCHKINA, L.I.; BONDAREVA, N.S.

Effect of phosphates on the composition of phosphorus fractions in the mycelium of Actinomyces antibioticus. Antibiotiki 8 no. 11:1006-1011 N 163. (MIRA 17:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov.

TORBOCHKINA, L.I.; DORMIDOSHINA, T.A.; ZAYTSEVA, L.P.

Carbohydrate metabolism in oleandomycin-producing Actinomyces antibioticus. Mikrobiologiia 33 no.1:162-166 Ja-F '64.

(MIRA 17:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov (VNIIA).

TORBOCHKINA, L.I.; DORMIDOSHINA, T.A.

Mechanism of glucose dissimilation in the cleandomycin-producing Actinomyces antibioticus. Mikrobiologiia 33 no.2:325-331
Mr-Ap '64.

1. Vaesoyusnyy nauchno-issledovatel'skiy institut antibiotikov, Moskva.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756320006-1"

TORBOCHKINA, L.I., DORMIDOSHIVA, T.A., NAVOL'NEVA, I.N.

Pathways of pyruvic acid formation in Actinomyces erythreus and Act. antibioticus producing macrolide antibiotics. Biokhimiia 30 no.2:388-394 Mr-Ap '65. (MIRA 18:7)

1. Vsesoyuznyy nauchno-issledovatel skiy institut antibiotikov Ministerstva zdravockhraneniya SSSR, Moskva.

TORBOCHKINA, L.I.

Composition of bacterial cell memoranes and of penicillin. Antibiotiki 10 no.3:272-283 Mr '65, (MIRA 18:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut antibiotikov, Moskva.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756320006-1"

TORBOV, I.

"Rationalization measures during 1956."

p.l (Ratsionalizatsiia, Vol. 7, no. 3, 1957, Mar. Sofiia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 8, August 1958

TOREOV, I.

"What the results of the development of rationalization during the first half of 1957 indicate."

p. 8 (Ratsionalizatsiia, Vol. 7, no. 11, Oct. 1957, Sofiia, Bulgaria.)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 6, June 1958.

TORBOV, I.

TORECV, I. Metionalization activities during the first half of 1950. p. 5.

Vol. 6, No. 10, Oct. 1956. HATSIGNALIZATSIIA. TECHNOLOGY Sofiia, Bulgaria

So: East European Accession, Vol. 6, No. 3, March 1957

TORBOV, Tsvetan, inzh.; KOICHEV, Todor, inzh.

Systematic breakdowns of the main oil pump in the steam turbine of the Hydroelectric-Power Station "Pernik." Elektroenergiia 13 no.4:14-17 Ap 162.

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756320006-1"

GEORGIEV, A., inzh; TORBOV, Tsv., inzh; STATEV, K., inzh.

The Bulgarian steam boiler 35 t/h for industrial purposes.

Mashinostroene 11 no.2:23-27 F '62

5/262/62/000/006/002/021 I007/I207

AUTHORS:

Koychev Todor, Torbov Tsvetan

TITLE:

Causes of failure in the moving blades of a steam

turbine.

PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk.42. Silovye ustanovki, no.6, 1962, 25, abstract 426130 (Elektro-energiya, v.12, no.6, 1961, 25-29)[Abstractor's note: original language of paper: Bulgarian].

TEXT: A case is studied of material fatigue in the moving (rotor) blades of a steam turbine installed at an electric power plant in Bulgaria. The causes of failure are analysed and measures taken for elimination of failure are described. Comparison is made between the properties of blades of old and new design.

[Abstractor's note: Complete translation.]

Card 1/1

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756320006-1"

KOICHEV, Todor, inzh.; TORBOV, Tsvetan

Causes for damaging the working vanes of No. 2372 steam turbine. Elektroenergiia 12 no.6:25-29 '61.

(Steam turbines)

APPROVED FOR RELEASE: 08/31/2001 CIA-RDP86-00513R001756320006-1"

TONCHEV, Iv., inzh. khim; TORBOV, Tsvetan, inzh.; BEICHEV, K., inzh.

How to avoid slagging in the combustion chambers of the TP-170 ..., boilers at the burning of certain mixtures of lignite and brown coals. Elektroenergiia 13 no.3:3-7 Mr 162.

KHADZHOV, Blagoi, inzh.; ZHEKOV, Zheko, inzh.; TÜRBOV, Tsvetan, inzh.; TONCHEV, Ivan, inzh. khim.

The floung fire grate and its applicability to Bulgarian coals. Tekhnika Bulg 11 no.92337-339 462.

KHADZHOV, Blagoi, inzh.; TORBOV, Tavetan, inzh.; TONCHEV, Ivan, inzh. khim.

Combustion of various mazuts with steam-powered and mechanical burners. Tekhnika Bulg 13 no. 3:16-18 '64.

THE PROPERTY OF THE PROPERTY O

L 10256-66 ENT(m)/T/EWP(t)/EWP(b)/EWA(c) IJP(c) JD

ACC NR: AP6001226 SOURCE CODE: UR/0363/65/001/012/2100/2101

AUTHOR: Klinkova, L. A.; Torbov, V. I.; Gordeyev, I. V.

39

ORG: Institute of New Chemical Problems, Academy of Sciences SSSR (Institut novykh khimicheskikh problem Akademii nauk SSSR)

TITLE: Crystallization of indium phosphide from the vapor phase

SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 1, no. 12, 1965, 2100-2101

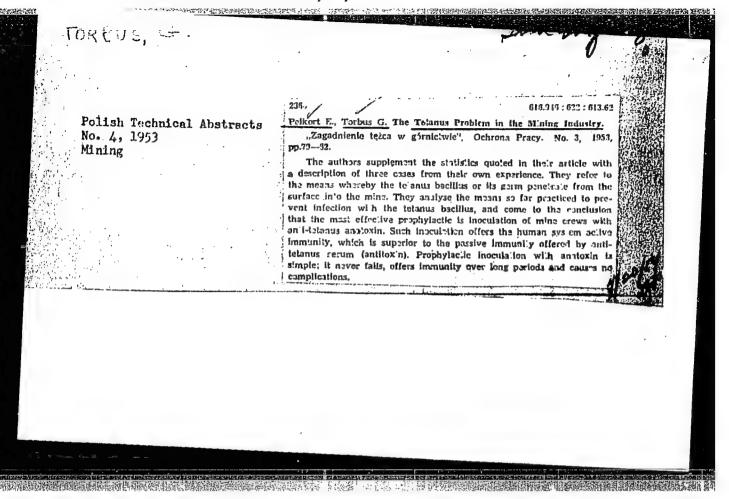
TOPIC TAGS: indium phosphide, crystal growing, chemical transport reaction, single crystallization

ABSTRACT: A preliminary study has been made of the effect of chemical transport reaction conditions on the preparation of InP single crystals from the vapor phase. The experiments were conducted in sealed evacuated (up to 6 x 10⁻⁶ mm Hg at 20C) quartz ampoules using polycrystalline cubic InSb (a = 5.869 Å) as the starting material. The transport temperatures were: in the heterogeneous reaction zone, 950C; in the crystallization zone, 900C. The transporting agents were I or, for a faster reaction, InI. Depending on the transporting agent, concentration, and ampoule diameter the following InP crystals were prepared: 1) n-type crystals of cubic modification up to 2 mm; 2) dendrites up to 3 mm; or 3) polyhedral crystals up to 2 mm. The prerequisites for controlled growing of InP single crystals are an elucidation of the mechanism of the reaction mixture transport to the crystallization zone, and the

Card 1/2

UDC: 546.682'181.1:548.19

	ACC rele	ation	NR: AP6001226 , tion between the transport process and crystal growth.									rt. has	: 1 fig-	
	ure SUB	CODE:		20/	SUBM	DATE:	29Jun65	/ ORIG	REF:	001/	OTH REF:		(B ATD PRE 4/66	
					بان ور د د		1.	• .					7/60	
					-		• • •						•	
	:									n edua			,	
- ,	Card	2/2										•		



MAZUR, Grazyna; TORBUS, Wieslawa; ZAKOWSKA, Barbara; DADLEZ, Zygmunt

Cytochemical reactions and clinical results in cases of the resistance of tubercle bacilli to isonicotinic acid hydrazide. Polski tygod. lek. 14 no.24:1092-1096 15 June 59.

1. (Ze Szwitala Przeciwgruzliczego w Cieszynie: dvr. dr Maria Krasowska i Panstwowego Sanatorium dla Dzieci i Mlodziezy w Istebnej; dyrektor: dr Zygmint Dadlez). (ISONIAZID, therapy)

KRASOWSKA, Maria; MAZUR, Grazyna; TORBUS, Wieslawa

Microbiological method in the determination of isonicotinic acid hydrazide (INH) level in the blood and its role in patients with pulmonary tuberculosis. Polski tygod. lek. 16 no.12:435-440 20 Mr '61.

1. Szpital Przeciwgruzliczy w Cieszynie; dyrektor: dr M. Krasowska.

(ISONIAZID blood)

MAZUR, Grazyna; TORBUS, Wieslawa

Catalase in the blood in patients with pulmonary tuberculosis. Polski tygod. lek. 16 no.13:467-470 27 Mr 161.

1. Ze Szpitala Przeciwgruzliczego w Cieszynie; dyrektor: dr M. Krasowska.

(CATALASE blood) (TUBERCULOSIS PULMONARY blood)

MAZUR, Grazyna; TORBUS, Wieslawa

Cytological studies on sputum and bronchial secretions in pulmonary and bronchial diseases. Gruzlica 29 no.9:761-776 S '61.

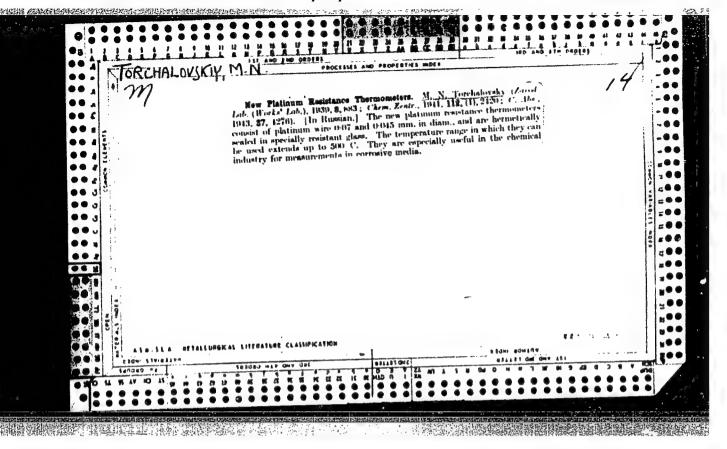
1. Ze Szpitala Przeciwgruzliczego w Cleszynie Dyrektor: dr Maria Krasowska.

(SPUTUM) (LUNG DISEASES diag) (LUNG NEOPLASMS diag) (BRONCHI dia)

TORCEA, V.

Systematic support to the application of hygiene and labor protection norms. Munca sindic 7 no.7:18-20 Jl '63.

l. Presedinte al comitetului sindicatului de la Intreprinderea Electro-Centrale Bucuresti.

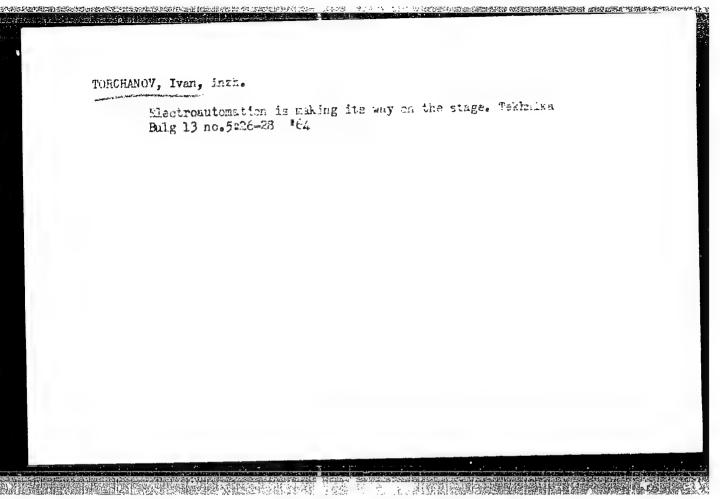


TORCHANOV, I.

"Standardizing the production of holdfasts for lightning conductors."

p. 44 (Ratsionalizatsiia) Vol. 7, no. 8, Aug. 1957 Sofiia, Bulgaria

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958



ACC NR: AP6035732

(A,N)

SOURCE CODE: UR/0413/66/000/019/0095/0095

INVENTOR: Bereslavksiy, S. I.; Torchenkova, V. A.

ORG: none

TITLE: Method of predicting failures and detecting malfunctioning elements of various equipment. Class 42, No. 186737

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 19, 1966, 95

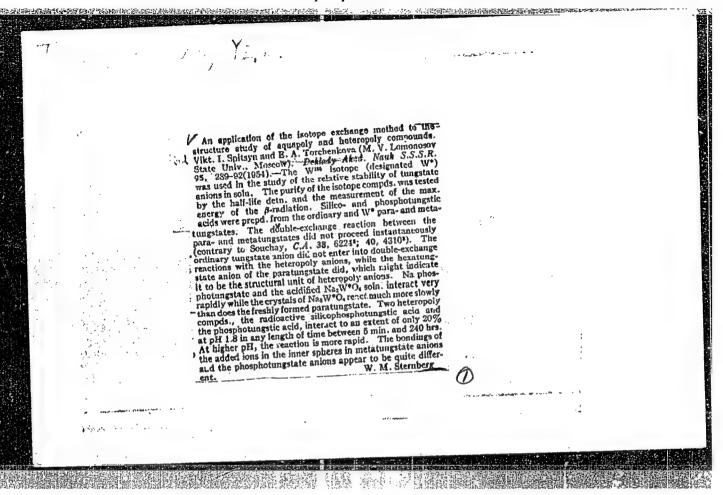
TOPIC TAGS: paint, heat change of state, electronic equipment, circuit failure

ABSTRACT: An Author Certificate has been issued for a method of prediciting failures and detecting mulfunctioning elements in various equipment (e.g., electronic). The method is based on the differentiated control of the heat levels of various elements of equipment according to the change in the light falling on the surface of these elements, which consists of a heat-indicating paint. To improve the visual indication of change in the color of the light-indicating paint during the operation of the controlled elements, on portions of the surfaces of elements, mixed with portions covered with heat-indicating paint, is applied a heat-resistant paint, the color of which corresponds to the color of the heat-indicating piant at a temperature below critical.

SUB CODE: 09, 11/ SUBM DATE: 26Aug64/

Card 1/1

UDC: 536.522.3



SPITSYN, Vikt.I.; TORCHENKOVA, Ye.A.

Study of the conversions of p-tungstate ion in solutions with the aid of a mixed sodium-cesium salt. Zhur.neorg.khim. 1 no.8:1794-1797 (MLRA 9:11)

Ag *56.

1. Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova, Laboratoriya neorganichiskoy khimii.

(Tungstates)

sov/78-3-12-31/36

PARTICIPATION AND PROPERTIES OF THE PROPERTY OF THE PARTY OF THE PARTY

AUTHORS:

Torchenkova, Ye. A., Spitsyn, Vikt. I.

TITLE: -

Investigation of the Isotope Exchange Between the Anions of Several Heteropoly Acids (Issledovaniye izotopnogo obmena

mezhdu anionami nekotorykh geteropolikislot)

PERIODICAL:

Zhurnal neorganicheskoy khimii, 1958, Vol 3, Nr 12,

pp 2798-2800 (USSR)

ABSTRACT:

The authors investigated in detail the influence of the pH of

the medium upon the velocity of exchange of inner addenda between phosphoro-tungstic and silico-tungstic acids. W 185

isotopes were used in the investigations. In acid medium (pH \sim 2) the exchange at room temperature is independent of the time and amounts to about 20%. At boiling temperature the exchange increases to 30% after three hours and to 50% after 16 hours. In weakly acid medium $(pH\sim4)$ the exchange is complete. In almost neutral solutions the exchange is 40%, although this reaches 80% at the boiling temperature. The velocity of the exchange apparently depends upon two factors, the degree of hydrolysis of the heteropoly anions and the nature of the

tungstate ions formed.

Card 1/2

sov/78-3-12-31/36

今日。5万分中,中中中国的特别的特别的大学的特别的特别的大学的特别的**是**,我们就是

Investigation of the Isotope Exchange Between the Anions of Several Heteropoly

Acids

There are 2 tables and 6 references, 4 of which are Soviet.

ASSOCIATION:

Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova, Kafedra neorganicheskoy khimii (Moscow State University imeni

M. V. Lomonosov, Chair of Inorganic Chemistry)

SUBMITTED:

October 28, 1957

Card 2/2

CIA-RDP86-00513R001756320006-1" APPROVED FOR RELEASE: 08/31/2001

s/020/60/132/03/43/066 B004/B007

5.2500 5.4500 (B)

TITLE:

Spitsyn, Vikt. I., Academician, Torchenkova, Ye. A., AUTHORS:

Glazkova. I. N.

The Influence of the Radioactive Radiation of a Solid on

the Processes of Its Dissolution

Doklady Akademii nauk SSSR, 1960, Vol. 132, No. 3, PERIODICAL:

pp. 643-645

TEXT: The authors investigated the solubility of BaSO4 which was traced with S35. They describe the production of BaSO4, the specific surface of which was determined by means of a microscope and an electron microscope. The particles had a size of 2.7-8.1 / Furthermore, the activity of precipitate and solution was measured in intervals of time. Fig. 1 shows the kinetics of BaSO₄ dissolution of different activities at 20°C. BaSO₄ was obtained by mixing equivalent quantities of 0.1 N solutions of BaCl2 and Na2504. With a specific radioactivity of the preparation of 0.7-1.0 milli-Card 1/3

The Influence of the Radioactive Radiation of a Solid on the Processes of Its Dissolution

S/020/60/132/03/43/066 B004/B007

curie/g considerable oversaturation was observed, which decreased after 25 h. In the case of preparations with 9-20 millicuries/g the concentration of the dissolved BaSO₄ increased proportionally with time. The solubility of BaSO₄ is increased by an excess of Na₂SO₄, but especially by an excess of BaCl₂ (Fig. 2). If instead of Na₂SO₄ a 0.1 N H₂SO₄ is used for the production of BaSO₄, solubility decreases (Figs. 3,4), but the kinetics of solubility shows the same phenomena as represented in Fig. 1. The authors explain this phenomena as being due to β -radiation, by which the electric double layer at the interface is influenced. This influence acts in a similar way on the dissolution as the ion strength of the solution. The occurrence of a maximum is ascribed to a change in the interaction between β -particles and the substance with an increased number of β -particles. There are 4 figures and 14 references: 9 Soviet, 1 Austrian, 1 French, 1 German, and 1 Dutch.

ASSOCIATION: Institut fizicheskoy khimii Akademii nauk SSSR (<u>Institute of Physical Chemistry of the Academy of Sciences</u>, USSR)

Card 2/3

91230

The Influence of the Radioactive Radiation of a Solid on the Processes of Its Dissolution

S/020/60/132/03/43/066 B004/B007

SUBMITTED: February 24, 1960

4

Card 3/3

SPITSYN, Vist.I., akademik; TORCHENKOVA, Ye.A.; GLAZKOVA, I.N.

Process of solution of barium sulfate tagged with two radioactive indicators. Dokl.AN SSSR 133 no.5:1111-1112 Ag '60.

(MIRA 13:8)

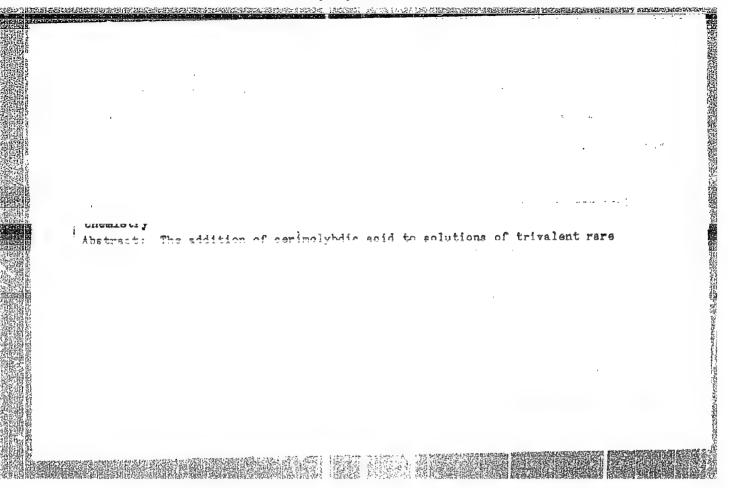
1. Institut fizicheskoy khimii Akademii nauk SSSR.

(Barium sulfate) (Barium-Isotopes) (Sulfur-Isotopes)

SPITSYN, Vikt.I.; TORCHENKOVA, Ye.A.; STEPANOVA, G.G.

Cerium molybdate method for determining radioactive cesium.

Atom., energ. 15 no.6:519-520 D '63. (MIRA 17:1)



עס-עטן ש				
ACCESSION NR: AP				
region from 2000 to	350 millimier me.	and the sample of the contract		
				_
22), the third ator	. It to be out to the second			-
á				
			•	
•				-

TO THE PERSON AND REPORT AND THE PERSON WHEN T

TORCHIGIN, V.P.

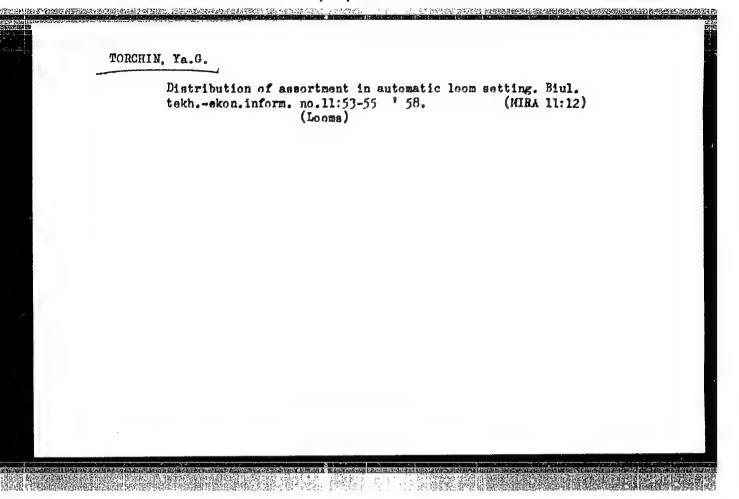
Concerning O.N. Litvinenko and V.I. Soshnikov's article "Synthesis of nonuniform lines based on the solution of the inverse problem of Sturm-Liuville." Radiotekh. i elektron. 8 no.11:1959 N '63. (MIRA 17:1)

KATKOV, G. G., TORCHIN, Ya. G.

Weaving.

Means of increasing the effectiveness of automatic weaving. Tekst. prom 12 No. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 195%, Uncl.



TURCHANINOV, A.A., inzh.; Prinimali uchastiye: TORCHIN, Ya.G., starshiy nauchnyy sctrudnik; USTYUKHIN, I.I., starshiy nauchnyy sctrudnik; ALEKSEYEVA, T.A., mladshiy nauchnyy sctrudnik: KRASHOIYEVISEVA, N.V., mladshiy nauchnyy sctrudnik; GORDON, V.N., starshiy tekhnik-laborant; SAVINA, L.A., starshiy tekhnik-laborant; SOROKINA, A.I., starshiy tekhnik-laborant;

Determining the labor input for the manufacture of the basic types of production in the woolen and worsted industry. Nauch.issl.trudy TSNIIShersti no.18:185.248 163.

(MURA 18:1)

(MIRA 17:9)

TORCHIN, Ya.G.

Efficiency in using shuttleless looms in the woolen industry.

Biul-tekh.- ekon. inform. Gos. nauch.-issl. inst. nauch. i

tekh. inform, 17 no.3:58-61 '64.

KATKOV, G. G., TCRCHIN, Ye., G.

Weaving

Means of increasing the effectiveness of automatic weaving. Tekst. prom 12, No. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, December 1952 1988, Uncl.

TOF	RCHINSKAYA, E.L., aspirant
	Designing rapidly revolving blades of variable screv pitch for flexure in a field of centrifugal forces; asymtotic method
	(Flexure) (Blades)
·	

"在,我们,你是这里是我的好好的,我们就是是我的最后的对外的,我们就是我们的

TORCHINSKAYA, E.L., aspirant

Asymptotic method of calculating the bend of blades having a varying screw rate at high speeds of rotation. Nauch. trudy MGI no.23:221-231 158. (MIRA 15:12) (Fans, Mechanical)

Trivolucione Espainista Corrente de Institutione Pro- International Constitution of the Corpular Pro- International Pro-	11) <u>K</u>	Ci	7.77	<u>U.S</u>	<i>Y</i> .	14.	y 71	/ - `					. ,	2		. 	e personal services and the services are		
Line of Line o	 Analysis of the Effectiveness of Complies-Porting our stances thich Easten the Elimination of Redocative Leatupes From the Organism, by C. To. Fradkin and V. F. Uhhabors.	Therefor and Subility of Pil Bond in Door Tissue, by 1. O. Hancorsky, J. La. Turkinsky, and V. S. Baltinita	Effect of Complex-Forming Substances on the Binding Character of Railoisotopes in the Blood, by L. M. Barkitneys and Y. S. Balabukha	S.69, T.7, and Co. in the Blood, by L. M. Smitthwys and Y. S. Balabutha	Physicochemical (Chromotographic) Investigation of the Effectiveness of Certain Complex-Forming Obstaces, by L. I. Thibonorm and L. H. Barbittayn.	General Leformation	Elimination of Radioactive Isotopes From	Possibility of the Utilisation of Chemical Com- pounds as Energy Traps in the Protection From Punc- trailing Redistion, by G. In. Friddlin.	Errect of Deta-Mercapicothylamine on the Puration of Organic Percetizes in the Irradiated Organism, by Te. 7. Recentser and L. I. Zhilanova.	Opethesis and Test of the Protective Action of a Series of Sulfur-Companing Compounds and Cusarise Derivatives, by T. G. Ekkeyler and Y. G. Nanisakir.	Effect of Protective Substances on Protein Suif- bylly Ortupe in the Orpans and Tissues of Emility and Errediated Animals, by v. G. Sakoviev and L. S. Isapore.	Effect of Protective Doses of 1-Cystelms on the Level of Emproteds Sulfrystyl Groups in the Tissues of Pats Irradiated with K-Rays, by L. S. Isupova	on the Machanism of the Protective Compounds, by 7. G. Yakuvlev and I	Selectionably Detween the Structure and Properties of Select-Containing Compounds and Their Protective Action From Prostrating Parisation, by W. G. Takovier	Present State of Chemical Protection From Indians .	introduction Chemical Protection From Ionizing Radiation	The second section while the report of the effectiveness of certain management stated per from the organization and the capacity characteristic which, when introduced into the organization which would be readily also form with the isotopes stable compounds which would be readily also from the organization and the committee of t	The volume consists of a table of contents (structure), and two settings in which the sanction of time too, purpose of the book, and two settings. The first section deals with the problem of the checked particular of the property state of the problem, dark obtained in experience of the contemporary state of the problem, dark obtained in experience are cited, and the theories of the mechanism of the protective action are cited, and the theories of the mechanism of the protective action come checkeds (animotholos and pyrisidize derivatives) are examined.	Entertembers Eshchite Organizat of Initingusbalth I	
	13	130	53	m	Ħ	E	р	93	83	ね	ĸ	55	=	۶	7	:	Talanted V	a of		
										والو فندم شويونوس	. leve 11 1			, angeres en Total	~~~	-	1	e annument and the second second	د د السيدر در	